

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/019294

## A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl.<sup>7</sup> C12N9/96, A61K38/43, A61P35/00, 43/00, C12N9/88

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl.<sup>7</sup> C12N9/96, A61K38/43, A61P35/00, 43/00, C12N9/88

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

REGISTRY (STN), CAPLUS (STN), BIOTECHNOLOGY ABSTRACT (DIALOG),  
EUROPAT (QUESTEL), BIOSIS (DIALOG), MEDLINE (STN), WPI (DIALOG), JSTPlus (JOIS),

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	TAN, Y. et al., Polyethylene glycol conjugation of recombinant methioninase for cancer therapy, Protein Expr.Purif., (1998), Vol.12, No.1, pages 45 to 52	1-16
Y	WO 99/07858 A2 (ANTICANCER INC.), 18 February, 1999 (18.02.99), Full text & AU 9886884 A & EP 1005557 A2 & JP 2001-512683 A & US 6461851 B1	1-16
Y	WO 02/20807 A1 (SHIONOGI & CO LTD), 14 March, 2002 (14.03.02), Full text & AU 200180155 A & EP 1316611 A1 & JP 2002-525814 A & US 2004/0110164 A1	1-16

☒ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means  
"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search  
11 April, 2005 (11.04.05)

Date of mailing of the international search report  
10 May, 2005 (10.05.05)

Name and mailing address of the ISA/  
Japanese Patent Office

Authorized officer

Facsimile No.

Telephone No.

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## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	Edited by The Japanese Biochemical Society, "Shin Seikagaku Jikken Koza 1 'Tanpakushitsu IV-Kozo Kino Sokan-'", 20 March, 1991 (20.03. 91), pages 95 to 111	1-16
Y	WO 00/73490 A1 (AVENTIS PHARMA DEUT GMBH), 07 December, 2000 (07.12.00), Full text & DE 19924632 A1 & AU 200044053 A & EP 1185683 A1 & US 6395507 B1 & JP 2003-501046 A & ES 2209869 T3	1-16
Y	JP 11-192084 A (Eiken Chemical Co., Ltd.), 21 July, 1999 (21.07.99), Full text (Family: none)	1-16
Y	EP 721986 A2 (WAKO PURE CHEM IND LTD), 17 July, 1996 (17.07.96), Full text & EP 721986 A3 & JP 8-242893 A & US 5716797 A	1-16
Y	JP 10-191972 A (Toyo Ink Manufacturing Co., Ltd.), 28 July, 1998 (28.07.98), Full text (Family: none)	1-16
A	NAKAYAMA, T. et al., Specific labeling of the essential cysteine residue of L-methionine gamma-lyase with a cofactor analogue, N- (bromoacetyl)pyridoxamine phosphate, Biochemistry (1988), Vol.27, No.5, p.1587-91	1-16
A	WO 00/44808 A1 (HUBBELL J.A.), 03 August, 2000 (03.08.00), Full text & AU 200032204 A & EP 1181323 A1 & JP 2002-535108 A & MX 2001007777 A1	1-16
A	EP 506431 A1 (WAKO PURE CHEM IND LTD), 30 September, 1992 (30.09.92), Full text & CA 2064304 A & JP 5-268950 A & DE 69224225 E & ES 2111610 T3 & US 5834273 A	1-16

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## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 98/40476 A1 (SHIONOGI & CO LTD), 17 September, 1998 (17.09.98), Full text & AU 9863089 A & EP 978560 A1 & CN 1250476 A & JP 10-539438 A & MX 9908397 A1 & KR 2000076040 A & US 6475767 B1 & TW 531541 A	1-16
A	WO 94/11535 A1 (ANTICANCER INC), 26 May, 1994 (26.05.94), & AU 9456154 A & EP 668933 A1 & JP 8-507287 A & US 5690929 A & DE 69332357 E & ES 2184756 T3	1-16
A	WO 99/05311 A1 (ANTICANCER INC), 04 February, 1999 (04.02.99), Full text & AU 9885127 A & US 5985540 A & EP 1000170 A1 & JP 2000-513589 A & CN 1268978 A	1-16

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International application No.

PCT/JP2004/019294

Continuation of B. FIELDS SEARCHED

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

SwissProt/PIR/GeneSeq, GenBank/EMBL/DDBJ/GeneSeq